

Please type a plus sign (+) inside this box → ☐

PTO/SB/01 (12-97)

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Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration Submitted with Initial Filing OR ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	164.1003.01
First Named Inventor	Majidi-Ahy, Reza et al
COMPLETE IF KNOWN	
Application Number	09 / 475,716
Filing Date	December 30, 1999
Group Art Unit	Not Yet Assigned
Examiner Name	Not Yet Assigned

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint

the specification of which (Title of the Invention)

☐ is attached hereto
OR

☒ was filed on (MM/DD/YYYY) December 30, 1999 as United States Application Number or PCT International

Application Number 09/475,716 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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DECLARATION — Utility or Design Patent Application

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. Parent Application or PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)

☐ Additional U.S. or PCT international application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

☐ Customer Number

OR

☐ Registered practitioner(s) name/registration number listed below

Place Customer
Number Bar Code
Label here

Name	Registration Number	Name	Registration Number

☐ Additional registered practitioner(s) named on supplement

Direct all correspondence to: ☒ Customer Number or Bar Code Label

ation sheet PTO/SB/02C attached hereto.

OR ☐ Correspondence address below

Name	
Address	
Address	
City	
State	
ZIP	
Country	
Telephone	
Fax	

22883

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Name of Sole or First Inventor: ☐ A petition has been filed for this unsigned inventor

Given Name (first and middle (if any))		Family Name or Surname	
Majidi-Ahy		Reza	
Inventor's Signature	Date		1-14-1999
Residence: City	Los Altos	State	CA
		Country	USA
Post Office Address	1637 South Main Street		
Post Office Address			
City	Milpitas	State	CA
		ZIP	95035
		Country	USA

☒ Additional inventors are being named on the 1 supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto

Please type a plus sign (+) inside this box → ☐

PTO/SB/02A (3-97)
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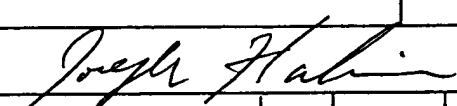
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DECLARATION

ADDITIONAL INVENTOR(S)

Supplemental Sheet

Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Joseph				Hakim			
Inventor's Signature						Date	2-8-00
Residence: City	Milpitas	State	CA	Country	USA	Citizenship	Canada
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Subir				Varma			
Inventor's Signature						Date	
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor					
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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<h2 style="margin: 0;">DECLARATION</h2>	ADDITIONAL INVENTOR(S) Supplemental Sheet Page <u>1</u> of <u>1</u>
---	---

Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Joseph				Hakim			
Inventor's Signature						Date	
Residence: City	Milpitas	State	CA	Country	USA	Citizenship	Canada
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Subir				Varma			
Inventor's Signature						Date	2/8/00
Residence: City	San Jose	State	CA	Country	USA	Citizenship	US
Post Office Address	1637 South Main Street						
Post Office Address							
City	Milpitas	State	CA	ZIP	95035	Country	USA
Name of Additional Joint Inventor, if any:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Inventor's Signature						Date	
Residence: City		State		Country		Citizenship	
Post Office Address							
Post Office Address							
City		State		ZIP		Country	

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Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

SEPTEMBER 21, 2000

PTAS

SWERNOFSKY LAW GROUP
JOHN C. MERCHANT
P.O. BOX 390013
MOUNTAIN VIEW, CA 94039-00

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UNITED STATES PATENT AND TRADEMARK OFFICE
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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/19/2000

REEL/FRAME: 010967/0071

NUMBER OF PAGES: 5

BRIEF: CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

BNA SYSTEMS, INC., A CORPORATION
OF CALIFORNIA

DOC DATE: 03/01/2000

ASSIGNEE:

APERTO NETWORKS, INC.
1637 SOUTH MAIN STREET
A CORPORATION OF CALIFORNIA
MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 09475642

PATENT NUMBER:

FILING DATE: 12/30/1999

ISSUE DATE:

SERIAL NUMBER: 09475716

PATENT NUMBER:

FILING DATE: 12/30/1999

ISSUE DATE:

010967/0071 PAGE 2

ANTIONE ROYALL, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

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**RECORDATION FORM COVER SHEET
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Reel # Frame #

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- ☐ License ☒ Change of Name
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Name (line 1)

Execution Date
Month Day Year

Name (line 2)

Execution Date
Month Day Year

Second Party

Name (line 1)

Name (line 2)

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Name (line 1)

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Address (line 2)

Address (line 3)
City

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Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

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Correspondent Name and Address

Area Code and Telephone Number

Name

Reg. No.

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

Pages

Enter the total number of pages of the attached conveyance document including any attachments.

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Application Number(s) or Patent Number(s)

☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT

PCT

PCT

PCT

PCT

PCT

Number of Properties

Enter the total number of properties involved.

#

Fee Amount

Fee Amount for Properties Listed (37 CFR 3.41): \$

Method of Payment:
Deposit Account

Enclosed ☐

Deposit Account ☒

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number:

#

Authorization to charge additional fees:

Yes

☒

No

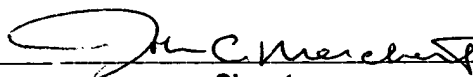
☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

John C. Merchant

Name of Person Signing



Signature

Date

09/19/2000

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FORM PTO-1619A

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PATENT**RECORDATION FORM COVER SHEET
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Reel #

Frame #

Conveyance Type

Assignment



Security Agreement



License



Change of Name



Merger



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Departmental File



Secret File

Conveying Party(ies)

Mark if additional names of conveying parties attached

Execution Date

Month Day Year

Name (line 1) BNA Systems, Inc.

03 01 2000

Name (line 2) a corporation of California

Execution Date

Month Day Year

Second Party

Name (line 1)

Name (line 2)

Receiving Party

Mark if additional names of receiving parties attached

Name (line 1) Aperto Networks, Inc.

Name (line 2) a corporation of California

Address (line 1) 1637 South Main Street

Address (line 2)

Address (line 3) Milpitas

CA

95035

City

State/Country

Zip Code

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Enter for the first Receiving Party only.

Name John C. Merchant

Address (line 1) Swernofsky Law Group

Address (line 2) P.O. Box 390013


Address (line 3) Mountain View, CA 94039-0013

Address (line 4) United States

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FORM PTO-1619B <small>Expires 03/30/00 OMB 0651-0027</small>		Page 2		U.S. Department of Commerce Patent and Trademark Office PATENT	
Correspondent Name and Address			Area Code and Telephone Number 880.947.0700		
Name John C. Merchant			Reg. No. 45,996		
Address (line 1) Swernofsky Law Group					
Address (line 2) P.O.Box 390013					
Address (line 3) Mountain View, CA 94038-00					
Address (line 4) United States					
Pages Enter the total number of pages of the attached conveyance document including any attachments. # 3					
Application Number(s) or Patent Number(s) <input type="checkbox"/> Mark if additional numbers attached <small>Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).</small>					
Patent Application Number(s)			Patent Number(s)		
00475842	00475718				
<small>If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.</small>					
<div style="display: flex; justify-content: space-between;"><div>Patent Cooperation Treaty (PCT) Enter PCT application number only if a U.S. Application Number has not been assigned.</div><div><div>PCT </div><div>PCT </div><div>PCT </div></div></div>					
Number of Properties Enter the total number of properties involved. # 2					
Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ 80.00					
Method of Payment: Enclosed <input type="checkbox"/> Deposit Account <input checked="" type="checkbox"/>					
Deposit Account <small>(Enter for payment by deposit account or if additional fees can be charged to the account.)</small>					
Deposit Account Number: # 50-0365					
Authorization to charge additional fees: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>					
Statement and Signature <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.</i>					
John C. Merchant				9.19.00	
Name of Person Signing		Signature		Date	

A0541301



SECRETARY OF STATE

I, *BILL JONES*, Secretary of State of the State of California, hereby certify:

That the attached transcript of 2 page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

MAR 21 2000

Secretary of State

A0541301

ENDORSED - FILED
in the office of the Secretary of State
of the State of California

MAR 15 2000

GILL JONES, Secretary of State

**CERTIFICATE OF AMENDMENT OF THE
ARTICLES OF INCORPORATION OF
BNA SYSTEMS, INC.
A California Corporation**

The undersigned, Reza Ahy and Judith M. O'Brien, hereby certify that:

ONE: They are the duly elected and acting President and Chief Executive Officer and Secretary, respectively, of BNA Systems, Inc., a California corporation.

TWO: Article I of the Articles of Incorporation of said Corporation is amended to read in its entirety as follows:

ARTICLE I

The name of this Corporation is Aperto Networks, Inc. (the "Corporation").

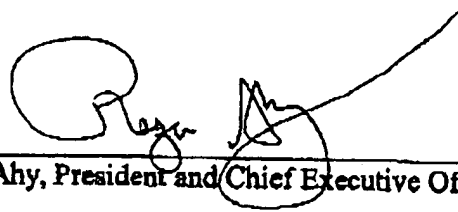
THREE: The foregoing Certificate of Amendment of the Articles of Incorporation has been duly approved by the Board of Directors of said Corporation.

FOUR: The foregoing Certificate of Amendment of the Articles of Incorporation has been duly approved by the required vote of shareholders in accordance with Sections 902 and 903 of the California Corporations Code. The total number of outstanding shares of Common Stock of the Corporation entitled to vote hereon is 2,469,574. The total number of outstanding shares of Series A Preferred Stock entitled to vote hereon is 5,116,188. The number of shares voting in favor of the amendment equaled or exceeded the vote required. The percentage voted required was more than 50% of the outstanding shares of the Common Stock and Preferred Stock, voting as a single class.

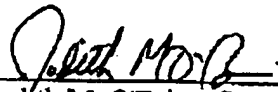
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The undersigned certify under penalty of perjury that they have read the foregoing Certificate of Amendment of the Articles of Incorporation and know the contents thereof, and that the statements therein are true.

IN WITNESS WHEREOF, the undersigned have executed this certificate on March 17, 2000.



Reza Ahy, President and Chief Executive Officer



Judith M. O'Brien, Secretary





UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JULY 03, 2000

PTAS

SWERNOFSKY LAW GROUP
DANIEL B. CURTIS
P.O. BOX 390013
MOUNTAIN VIEW, CA 94039



101347034A

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RECORDATION DATE: 04/10/2000

REEL/FRAME: 010749/0353
NUMBER OF PAGES: 6

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

REZA, MAJIDI-AHY

DOC DATE: 01/24/2000

ASSIGNOR:

HAKIM, JOSEPH

DOC DATE: 02/08/2000

ASSIGNOR:

VARMA, SUBIR

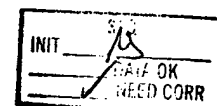
DOC DATE: 02/08/2000

ASSIGNEE:

BNA SYSTEMS, INC.
1637 SOUTH MAIN
MILPITAS, CALIFORNIA 95035

SERIAL NUMBER: 09475716
PATENT NUMBER:

FILING DATE: 12/30/1999
ISSUE DATE:



CTS

010749/0353 PAGE 2

SHAREILL COLES, EXAMINER
ASSIGNMENT DIVISION
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FORM PTO-1619A
Expires 06/30/99
OMB 0651-0027

05-05-2000

U.S. Department of Commerce
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Document ID#
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Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**
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- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

- ☒ Mark if additional names of conveying parties attached
- | Execution Date | | |
|----------------|-----|------|
| Month | Day | Year |
| 01 | 24 | 00 |

Name (line 1) Reza, Majidi-Ahy

Name (line 2)

Second Party

Execution Date		
Month	Day	Year
02	08	00

Name (line 1) Hakim, Joseph

Name (line 2)

Receiving Party

- ☒ Mark if additional names of receiving parties attached

Name (line 1) BNA Systems, Inc.

Name (line 2) a Corporation of California

Address (line 1) 1637 South Main

Address (line 2)

Address (line 3) Milpitas CA 95035

City State/Country Zip Code

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name Daniel B. Curtis

Address (line 1) Swernofsky Law Group

Address (line 2) P.O.Box 390013

Address (line 3) Mountain View, CA 94039-0013

Address (line 4) United States

05/05/2000 DATES 00000293 500365 09475716
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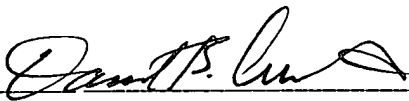
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Daniel B. Curtis



April 4, 2000

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Signature

Date

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Execution Date
Month Day Year

Name (line 1) Varma, Subir

02 08 00

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Execution Date
Month Day Year

Name (line 1)

Name (line 2)

Receiving Party(ies)

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Patent Application Number(s)

Patent Number(s)

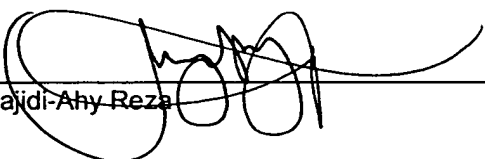
ASSIGNMENT

WHEREAS, we, Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, Joseph Hakim, a citizen of Canada, residing at Milpitas, California, and Subir Varma, a citizen of United States, residing at San Jose, California, have invented a **"Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint"** for which we have executed application papers for a U.S. patent thereon, which was filed on **December 30, 1999, Serial No. 09/475,716**; and

WHEREAS, BNA Systems, Inc. a California corporation, having a place of business at 1637 South Main, San Jose, California is desirous of acquiring the exclusive right, title and interest in and to said invention and in and to the Letters Patent to be granted and issued therefor in the United States of America and its territories and possessions, and in all countries foreign thereto;

NOW, THEREFORE, for a valuable consideration, the receipt of which is hereby acknowledged, we, Reza Majidi-Ahy, Joseph Hakim, and Subir Varma, do sell, assign, transfer and set over unto the said BNA Systems, Inc., its successors and assigns, the full and exclusive right, title and interest in and to said invention, and in and to any and all letters patent to be granted and issued therefor, not only for, to and in the United States of America, its territories and possessions, but also for, to and in all other countries including all priority rights under the International Convention; and we hereby authorize and request the Commissioner of Patents and Trademarks to issue said Letters Patent to said BNA Systems, Inc., its successors and assigns, in accordance with this Assignment.

WITNESS OUR HAND at _____, this 12-14-2000 day of _____, 2000.



Majidi-Ahy Reza

Joseph Hakim

Subir Varma

ASSIGNMENT


WHEREAS, we, Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, Joseph Hakim, a citizen of Canada, residing at Milpitas, California, and Subir Varma, a citizen of United States, residing at San Jose, California, have invented a "**Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint**" for which we have executed application papers for a U.S. patent thereon, which was filed on **December 30, 1999, Serial No. 09/475,716**; and

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WITNESS OUR HAND at _____, this 8th day of February, 2000.

Majidi-Ahy Reza



Joseph Hakim

Subir Varma

ASSIGNMENT

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WITNESS OUR HAND at _____, this 8th day of Feb, 2000.

Majidi-Ahy Reza

Joseph Hakim



Subir Varma

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AUTHORIZATION OF AGENT,
NOT ACCOMPANYING
APPLICATION**

Application Number	09/475,716
Filing Date	December 30, 1999
First Named Inventor	Majidi-Ahy, Reza et al
Group Art Unit	2749
Examiner Name	Not Assigned
Attorney Docket Number	164.1003.01

I hereby appoint:

☒ Practitioners at Customer Number

22883

OR

☐ Practitioner(s) named below:

22883

Name	Regist. No.

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

☒ The above-mentioned Customer Number.

OR

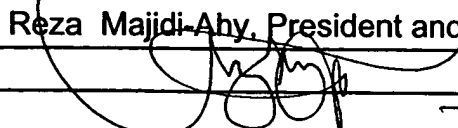
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I am the:

☐ Applicant.

☒ Assignee of record of the entire interest
Certificate under 37 CFR 3.73(b) is enclosed

SIGNATURE of Applicant or Assignee of Record

Name	Reza Majidi-Ahy, President and CEO
Signature	
Date	Jan -15-00

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STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Majidi-Ahy, Reza et al

Application No./Patent No.: 09/475,716 Filed/Issue Date: December 30, 1999

Entitled: Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint

BNA Systems, Inc., a Corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

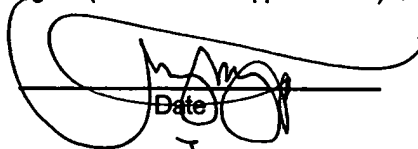
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☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the PTO. See MPEP 302-302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.


 Date Jan - 15 - 00


 Signature
Reza Majidi-Ahy
 Typed or printed name
President and CEO
 Title

COPY

22883

164.1003.01

ASSIGNMENT

WHEREAS, we, Majidi-Ahy Reza, a citizen of United States, residing at Los Altos, California, Joseph Hakim, a citizen of Canada, residing at Milpitas, California, and Subir Varma, a citizen of United States, residing at San Jose, California, have invented a "Integrated Self-Optimizing Multi-Parameter and Multi-Variable Point to Multipoint" for which we have executed application papers for a U.S. patent thereon, which was filed on December 30, 1999, Serial No. 09/475,716; and

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WITNESS OUR HAND at _____, this 8th day of February, 2000.

Majidi-Ahy Reza

Joseph Hakim
Joseph Hakim

Subir Varma

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164.1003.01

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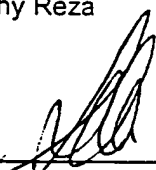
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Majidi-Ahy Reza

Joseph Hakim



Subir Varma

22883

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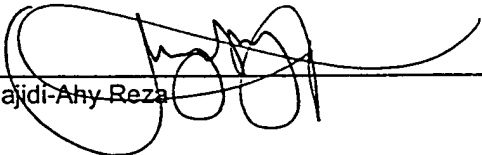
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Subir Varma